

METHOD FOR HIDING LATENCY IN A TASK-BASED LIBRARY FRAMEWORK  
FOR A MULTIPROCESSOR ENVIRONMENT

ABSTRACT

A task-based library framework for load balancing using a system task queue in a tightly-coupled multiprocessor system. The system memory holds a queue of system tasks.  
5 The library processors fetch tasks from the queue for execution. The library processors fetch the tasks when they have a light load. A library processor can fetch a task while executing another task.